

A method to dynamically reconfigure multimedia streaming processing modules using interfaces that allow applications and modules to seamlessly change the configuration of streaming modules. Reconfigurations are initiated by a processing module in a stream or by an application by sending a notification packet through the processing modules in the portion of the stream being changed that informs that modules that a change is being made and the modules to complete processing of its data. Modules affected by the change are stopped once the notification packet is received by all processing modules in the stream being changed and modules are then added, removed, or replaced and the portion of the stream being changed resumes processing the data stream. The modules at the beginning of the portion being changed can resume operation as soon as they are reconnected to other modules.